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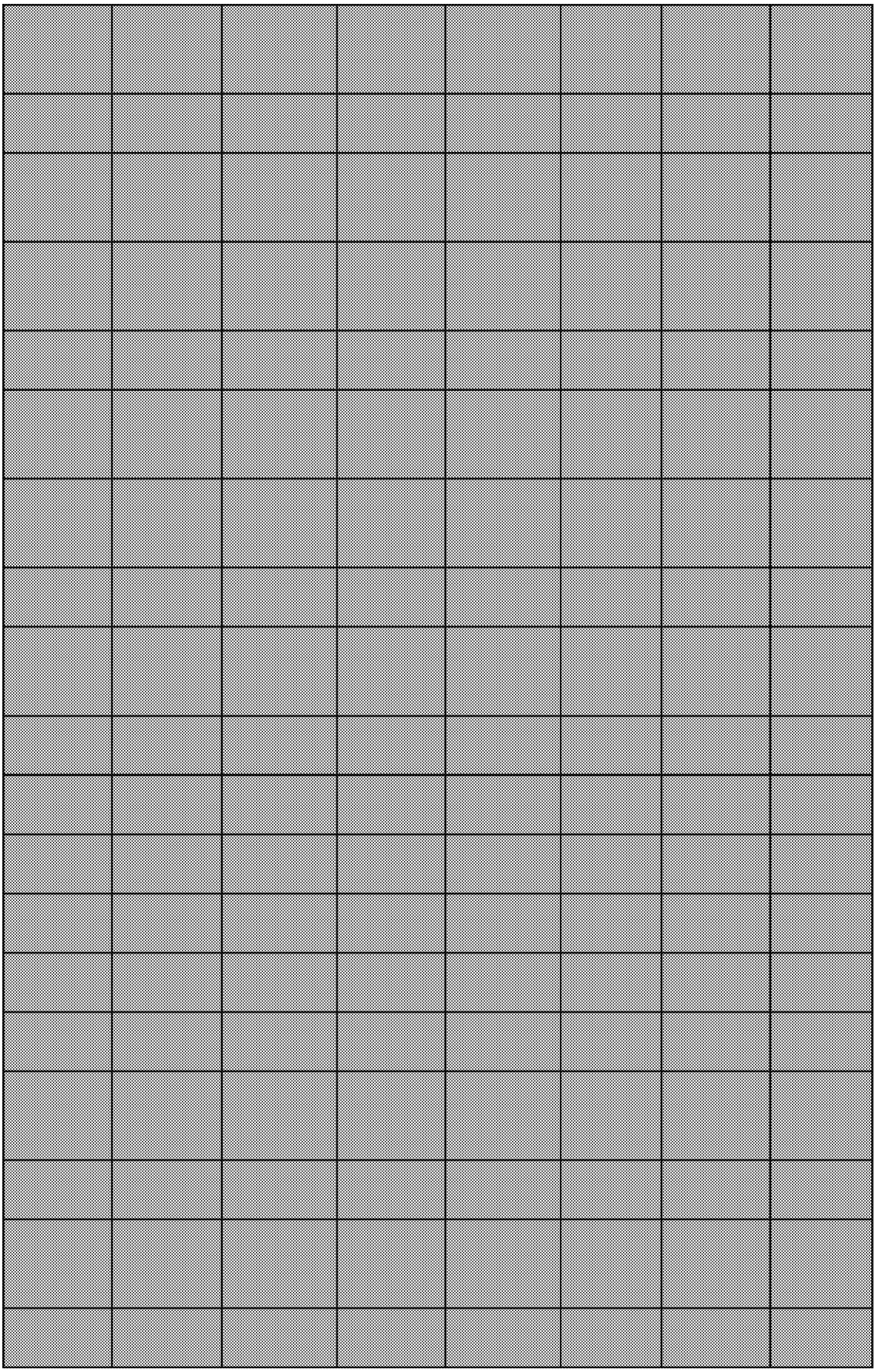

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Plants are often submitted, in their natural environment, to various abiotic stresses such as heat stress. However, elevate
Analysis of fast chlorophyll fluorescence rise OJIP was carried out to assess the impact of diuron, paraquat and flazasulfu
Antibodies were raised in mice against the 42 kDa subunit of the soluble hydrogenase purified from the cyanobacterium
The changes in the activity of the pentose phosphate cycle produced by the activation or inhibition of different NADPH-c
This paper describes the construction of silver particles-impregnated carbon paste electrode (Ag-CPE). The new electrode
This paper reports on the use of electrochemical impedance spectroscopy (EIS) for analytical determination of paraquat h
The electrochemical determination of aqueous paraquat PQ(II) by differential pulse voltammetry at a solid rotating silver
1. Rate constants for reduction of paraquat ion (1,1?-dimethyl-4,4?-bipyridy-lium, PQ2+) to paraquat radical (PQ+
This Letter reports the design and synthesis of a new type of hydrogen bonding-mediated foldamer-derived tweezer rece
It has previously been shown that Desulfovibrio gigas hydrogenase, as isolated, has a relatively low activity in the hydrog
We determine the relative abilities of three bipyridyls (Paraquat P ++, Benzylviologen B++ and Diquat D++) to stimulate in
Fragments of spinach nitrate reductase (NR) were prepared by limited proteolysis of immunopurified enzyme using both
Aquatic ecosystems are exposed to an increasing contamination of pesticides such as herbicides through water runoff. Th
An overexpression system for nitrous oxide reductase (N2OR), an enzyme that catalyzes the conversion of N2O to N2 and
Water-soluble p-sulfonatocalix[7]arene 1 has been synthesized in good yield through standard procedures and its confor
Over the last decades, paraquat (1,1?-dimethyl-4,4?-bipyridilium dichloride; PQ) has been involved in numerous fatalities
The generation of deleterious activated oxygen species capable of damaging DNA, lipids, and proteins requires a catalyst
Reaction of di(p-isocyanatophenyl)methane (MDI, 4) with N,N?-di(2-hydroxyethyl)- (1b) or N,N?-di[2-(2?-hydroxyethoxy)
Summary Purple bacteria Rhodospirillum rubrum and Thiocapsa roseopersicina form two enzymes, hydrogenase and nitr

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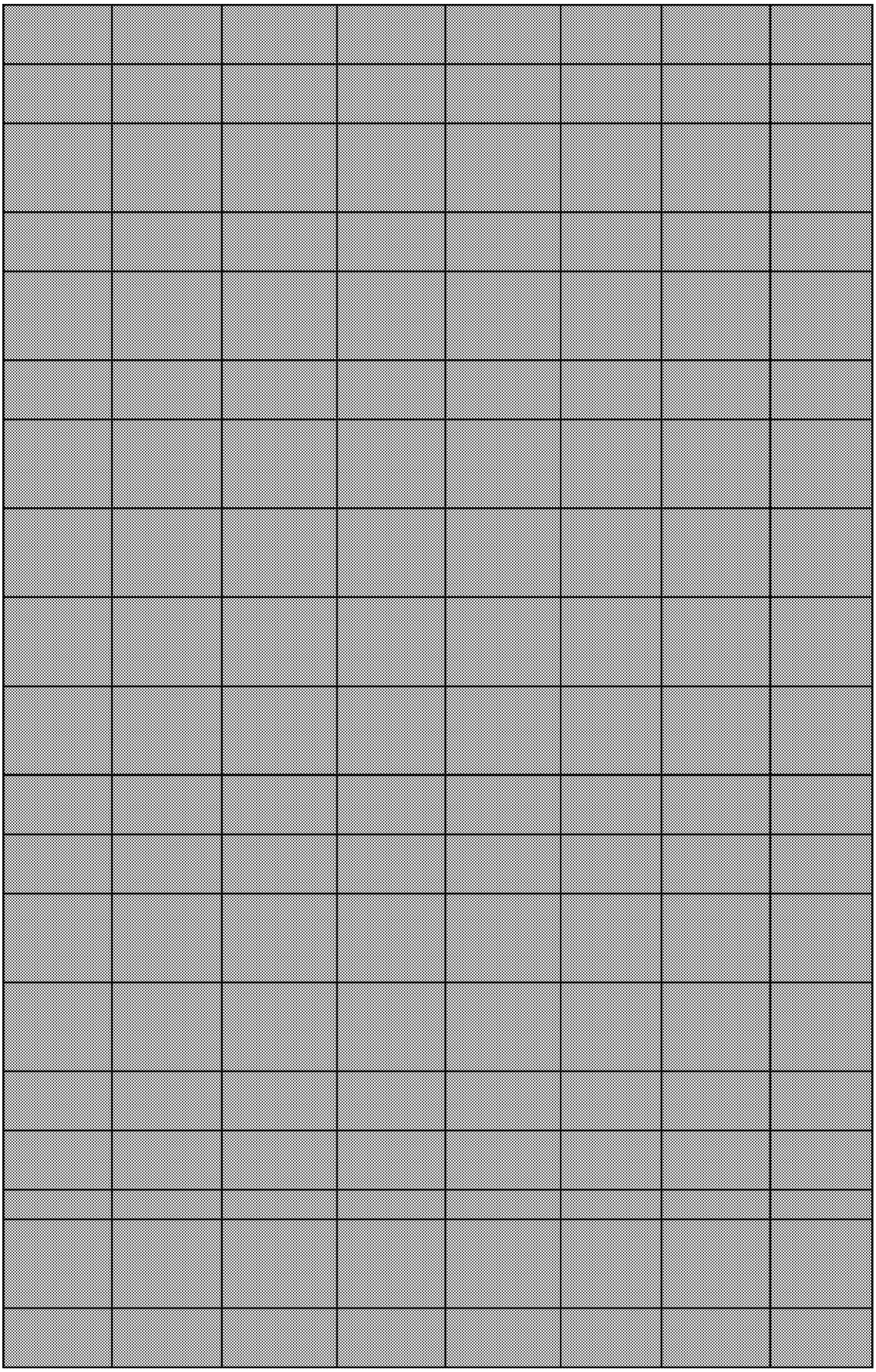

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The covalent binding of the viologen N-methyl-N?(aminopropyl)-4,4?-bipyridinium (APMV) to the flavoprotein ferredoxi
The diamine, putrescine, is accumulated into slices of rat lung by a temperature and energy dependent process similar to
Photocatalysed regeneration of NAD(P)H is accomplished with CdS semiconductor powder and TiO2 colloids using forma
We have measured the decay of chlorophyll a fluorescence at 4
The two-electron gate of Photosystem II (PSII) is known to function by transferring electrons from the reduced one electr
Synthalin, decamethylene diguanidine, has been found to act as an energy-transfer inhibitor in chloroplasts. Both ATP fo
A porphyrin strapped by a dibenzo- crown ether was synthesized and shown by 1H nmr spectroscopy to bind paraquat in
Ni-containing Carbon Monoxide Dehydrogenases (CODHs) catalyze the reversible conversion between CO and CO2 and a
Summary Tetraethyl lead (Et4Pb), which is used as an anti-knock agent in gasoline, was transformed to the toxic triethyl
Photoinhibition of PSII occurs at the same quantum efficiency from very low to very high light, which raises a question ab
Spinach chloroplasts, isolated rapidly in isotonic media will reproducibly give photosynthetic control rates (State 3/State
Desulphoviridin in the oxidized state showed EPR signals around g = 6, consistent with the sirohaem being in the high-spi
Soluble NAD-reducing [NiFe]-hydrogenase (SH) from Ralstonia eutropha (formerly Alcaligenes eutrophus) has an infrared
Energetically-coupled processes (electron flow, proton uptake and correlated pH gradient) were investigated on envelop
The reduction potential of Fe3+ in transferrin was measured spectrophotometrically by equilibration with methyl viologe
Uptake and compartmentation of paraquat was investigated in intact roots of hydroponically grown maize (Zea mays L.)
The generation of free radicals under various conditions in the presence of methyl viologen (MV2+) was investigated in c
It was found that when Escherichia coli is grown in the presence of 0.2
Modified prosthetic metalloporphyrin, having a total of eight carboxylate groups at the terminal of two peripheral propic

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